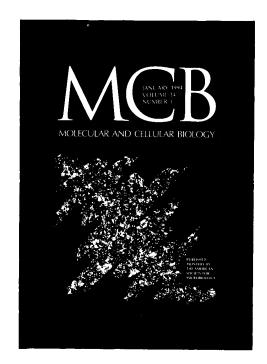
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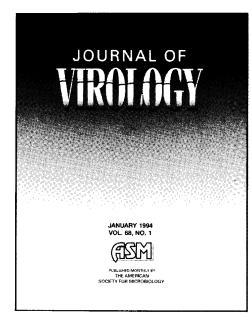
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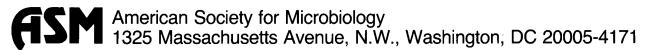
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Microbio Revi

Editor in Chief: Josephine A. Morello Providing reviews of developments in clinical microbiology, CMR is an indispensable resource for all personnel in, or associated with, a clinical laboratory from directors to bench technologists. The editorial board comprises scientists who are active in a variety of areas, ensuring a broad range of coverage.

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# MOLECULAR PATHOGENESIS OF PERIODONTAL DISEASE

Editors: Robert Genco, Shigeyuki Hamada, Thomas Lehner, Jerry R. McGhee, and Stephan Mergenhagen

This text and reference title details the molecular basis for pathogenesis of periodontal disease and deals with up-to-date information on microbial virulence factors and host response, including cytokines, neutrophils, and genetic factors, as well as periodontal wound healing. In addition, the molecular and cellular bases of growth and

development and the application of molecular technology to periodontal regeneration are discussed. Particular emphasis is placed on molecular explanations of host/bacterial interactions and wound healing as they occur in chronic infectious diseases as exemplified by periodontal infection.

The volume is an outgrowth of the symposium entitled "The Molecular Basis of Periodontal Pathogenesis" held at the State University of New York at Buffalo in 1993. International scientists contribute over 30 chapters. Students of infectious disease, especially oral microbiologists and immunologists, and those interested in periodontal pathogenesis will find this new volume essential reading.

## CONDENSED CONTENTS

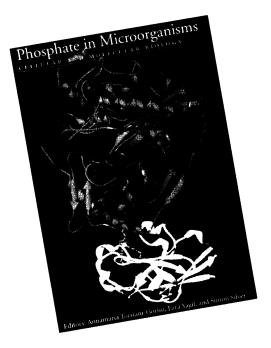
Introduction (Harald Löe)

- I. Microbial Virulence Factors (11 chapters and 2 summaries)
- II. Host Factors: Cytokines and Other Effector Molecules (14 chapters and 2 summaries)
- III. Host Factors: Neutrophils, Mapping T- and B-Cell Epitopes, and Genetic Factors (5 chapters and 1 summary)
- IV. Periodontal Wound Healing (5 chapters and 1 summary)

July 1994. Hardcover (ISBN 1-55581-075-6), 472 pages, chapter summaries, index. List price, \$89.00; ASM Member, \$79.00.

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**7** 1-800-546-2416



# PHOSPHATE IN MICROORGANISMS CELLULAR AND MOLECULAR BIOLOGY

Editors: Annamaria Torriani–Gorini, Ezra Yagil, and Simon Silver

This volume presents the latest science on the regulation of phosphate metabolism in *Escherichia coli*, *Saccharomyces cerevisiae*, and other important microbial systems. Based on a meeting held at Woods Hole, Massachusetts (September 1993), this book covers exciting new findings on the role of phosphate in signal transduction, protein structure, pathogenesis, and protein export and folding. **Phosphate in** 

**Microorganisms** will prove to be significant reading for anyone interested in bacterial metabolism and the molecular biology of prokaryotic and lower eukaryotic organisms.

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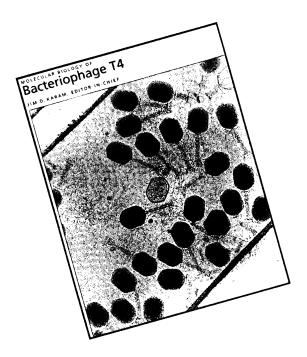
- I. Regulation of Phosphate Metabolism and Transport (8 chapters)
- II. Regulation of Phosphate Metabolism in Saccharomyces cerevisiae (4 chapters)
- III. Transport of Phosphorylated Compounds and Other Oxyanions (7 chapters)
- IV. Phosphate Regulation in Pathogenesis and Secondary Metabolism (5 chapters)
- V. The Phosphotransferase System (7 chapters)
- VI. Polyphosphates and Phosphate Reserves (5 chapters)
- VII. Phospholipids (3 chapters)
- VIII. Protein Export and Folding (7 chapters)
- IX. Signal Transduction and Phosphoproteins (7 chapters)
- X. Structure/Function Relationships (3 chapters)

September 1994. Hardcover (ISBN 1-55581-080-2), 365 pages, index. List price, \$89.00; ASM Member price, \$79.00. Shipping charges: 5% of the price.

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search and teaching tool. Researchers and students alike will particularly benefit from the overview chapters that introduce each section and from clearly outlined laboratory procedures that emphasize concepts in microbial molecular genetics. Since T4 has played a central role in the development of molecular biology as an academic discipline, the themes and experiments presented in this book provide an excellent framework for designing graduate and undergraduate courses in prokaryotic genetics and biochemistry.

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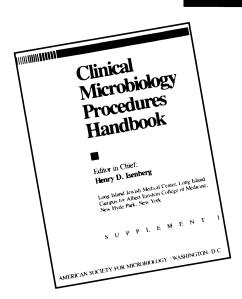
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- IV. Structure-Function Relationships of Selected T4-Induced Proteins (9 chapters)
- V. Host-Phage Interactions (9 chapters)
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June 1994. Hardcover (ISBN 1-55581-064-0), ca.600 pages, index. List price, \$109.00; ASM Member, \$89.00. Shipping charges: 5% of the price.

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		Septi-Chek Acid-Fast Bacillus Method		Detection of Pneumocystis carinii
	3.6.b	Culture of Mycobacteria: Microcolony Method	10.5.a	Identification of Bacteria and Fungi by Using
	5.2.a	Etest Susceptibility Testing		Nucleic Acid Probes
	7.3.8	Calcofluor White for Detection of	10.5.b	Gen-Probe PACE 2 DNA Hybridization Test
		Acanthamoeba Cysts		for Detecting Chlamydia trachomatis and
	8.25	Detection of Cytomegalovirus in Peripheral		Neisseria gonorrhoeae
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		Antigenemia Assay		by Pulsed-Field Gel Electrophoresis
	8.26	Antiviral Susceptibility Testing	14.5	Safety in Work with Bloodborne Pathogens:
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In Collaboration with the National Institutes of Health and the Centers for Disease Control and Prevention

# **Second National** Conference on **Human Retroviruses** and Related Infections

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#### **INVITED STATE-OF-THE-ART LECTURES**

MONDAY, JANUARY 30, 1995:

**Emerging Trends in HIV and AIDS** 

Harold Jaffe, Centers for Disease Control and Prevention

Gene Therapies

Gary Nabel, University of Michigan

Immunopathogenesis

Anthony Fauci, National Institute of Allergy and Infectious Diseases, Bethesda, MD

**Mucosal Immunity** 

Jiri Mestecky, University of Alabama at Birmingham

TUESDAY, JANUARY 31, 1995:

**Neutralizing Epitopes on Primary Viruses** 

John Moore, Aaron Diamond AIDS Research Center, New York, NY

Novel Approaches to Antiviral Therapy: How Do We Treat HIV in 1995?

Joep Lange, World Health Organization,

Geneva, Switzerland

Neuropathogenesis

Richard Johnson, Johns Hopkins University, Baltimore, MD

**HPV** and Cervical Carcinoma

Peter Howley, Harvard University, Boston, MA

WEDNESDAY, FEBRUARY 1, 1995:

Vaccine Development

Peggy Johnston, National Institute of Allergy and

Infectious Diseases, Bethesda, MD

Immune-based Therapies

Richard Pollard, University of Texas at Galveston

Opportunistic Infection Prophylaxis: Resistance

William Powderly, Washington University, St. Louis, MO

**HIV-2 Dual Infections** 

Beatrice Hahn, University of Alabama at Birmingham

THURSDAY, FEBRUARY 2, 1995:

Perinatal Transmission of HIV

Edward Connor, MedImmune, Gaithersburg, MD

HTLV-1, -2

William Blattner, National Cancer Institute, Rockville, MD and Genoveffa Franchini, National Cancer Institute, Rockville, MD

Clyde Crumpacker, Beth Israel Hospital, Boston, MA

Case-based Presentations (interactive session)

John Bartlett, Johns Hopkins University, Baltimore, MD

#### **INVITED ROUNDTABLE SYMPOSIA**

**MONDAY, JANUARY 30, 1995:** 

Clinical Correlates of Virological

Measurements

**Regulatory Proteins** 

Live Virus Vaccines/Antigen Presentation

Immune Reconstitution

STD/HIV Interactions

TUESDAY, JANUARY 31, 1995:

**Pediatric Clinical Topic** 

Genetic Variation

Challenges in HIV Clinical Trials Design

HIV Malignancies: Pathogenesis &

Treatment

WEDNESDAY, FEBRUARY 1, 1995:

Management of Late-stage AIDS

Long-term Survivors/Exposed and

Uninfected

Rational Drug Design

Occupational Transmission

THURSDAY, FEBRUARY 2, 1995:

Antiretroviral Resistance

Virus-virus Interactions

Prevention of Perinatal Transmission

**Drug Interactions** 

**ABSTRACT DEADLINE:** September 16, 1994

**EARLY PREREGISTRATION DEADLINE: November 1, 1994** 

LATE PREREGISTRATION DEADLINE: December 30, 1994

LATE BREAKER ABSTRACT DEADLINE: **JANUARY 6, 1995**